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**BRADFORD GIRLS'
GRAMMAR SCHOOL**

Co-educational up to 11, Girls only 11-16

Year 10 Home Learning Guide for Parents

Autumn Term 2021

Introduction

Thank you for the continued support you are providing in supporting your daughter in her learning.

As you know, BGGS teachers are working hard to ensure that the planned curriculum continues to be taught and any gaps in learning are filled. We hope that the majority of students will be back in school, learning in the classroom, but it is reasonable to assume that there may be some continued disruption in the Autumn term.

Whether your child is learning at school or home, this booklet provides information about what she will be learning this term and how you can best support her.

If you have any queries or need some further support, please contact Mrs Howarth, Vice Principal at your earliest convenience rhoarth@bggs.com

Art

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">• Natural forms- component 1• Mind map - words on the theme• Mood board - images gathered• Pencil tone - observational drawing• Watercolour techniques from online tutorials• Watercolour flower study from secondary sources	<ul style="list-style-type: none">• Artist Research- Rachel Newling• Lino printing- process/method -• 4 colour reduction print design and print• Printmaking and mono/sgraffito

How parents/carers can help

One A3 sketchbook is provided within a plastic portfolio for every GCSE Art student at the beginning of the course. It is your daughter's responsibility to keep this work safe. When transporting between home and school it should be left within the art department in individual art drawers in preparation for their lesson before morning registration.

Art students are provided with basic art equipment and can borrow materials from the department, but a basic set of pencils and coloured pencils is recommended.

All lessons can be found on Teams. This can help the student to be able to recap the learning objectives set and complete the work if absent. Intervention sessions are held in the Art room at lunchtimes. This is an opportunity to complete prepwork, access specialist art materials and have individual support from their art teacher.

Useful Resources

Links to useful videos to watch or tutorials are always embedded into powerpoints where appropriate.

- www.bbc.co.uk/bitesize/subjects/z6f3cdm
- www.studentartguide.com
- Pinterest

Biology

Subject Content

In year 10, the students in set 1 are studying the separate science pathway and all other sets are studying the combined science pathway. If a topic is to be studied ONLY by separate scientists, it will be highlighted in brackets.

Autumn Half Term 1	Autumn Half Term 2
Ecosystems: students will learn interdependence within ecosystems and how this causes competition between species. They will look at how organisms within ecosystems are distributed and will conduct field investigations to study the organisms in our community. They will look at how organisms are classified using the 2 known systems and	Organisms and ecosystems Students will look in depth at the tissues and organs within plants and how these work together to provide a transport network for plant survival. They will look at factors which affect plant transport. They will also look at skills and investigative techniques during this half-term. Students will also look in depth at the process of respiration in both plants and animals.

How parents/carers can help

- Encourage your daughter(s) to regularly revisit her classwork between lessons. This will help consolidate their learning and allow the content to be fresh in their minds ready to be built upon in the next lesson.
- Check if homework has been set and support your daughter(s) in being organised and meeting deadlines.
- Be aware of the useful resources listed below so should your daughter(s) require additional support with their learning, you know where this can be accessed outside of lessons.
- If your daughter(s) are absent from school through illness or self-isolation, refer to the Microsoft Teams Class Notebook pages for the subjects missed, and make sure the work that they have missed is completed before their return to school. This will ensure that there are no gaps in their knowledge, and that they will not be disadvantaged.

Useful Resources

- All students will have access to www.kerboodle.com where they can find an online version of their textbook, learning resources, animations and activities to help support their learning.
- All students will have access to www.doddlelearn.com where they will be assigned additional learning tasks and homework activities. They can also use this at their own leisure should they find they need further support with a particular topic area.
- [Oak National Academy \(thenational.academy\)](http://Oak National Academy (thenational.academy)) provides online lessons to support any students who may have missed content due to illness/self-isolating.

Business

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Unit 4 Human Resources <ul style="list-style-type: none">• Training Unit 3 Operations <ul style="list-style-type: none">• Production processes• The Role of Procurement	Unit 3 Operations <ul style="list-style-type: none">• Concept of Quality• Good Customer Service

How parents/carers can help

- Please encourage your daughter to read around the topic using her textbook.
- Discuss any training you have had for your job and the benefits / disadvantages this provided you with.
- Discuss the quality of service with your daughter after you have been shopping or visited a restaurant, talk about the things that you appreciate from a service.
- Links for resources used in all lessons can be found on the class notebook page on Teams which is dated.
- All resources used in the lessons are also placed on SharePoint, split by topics.
- Encourage students to check Teams for any homework/classwork that is due.

Useful Resources

- <https://www.bbc.co.uk/bitesize/examspecs/zvwb382>
- <https://www.tutor2u.net/business>
- <https://app.senecalearning.com/classroom/course/154d6ec0-32ac-11e8-84d9-f>

Chemistry

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Matter - students will look at the different types of structures and bonding that can occur, the properties attached to these, and examples of materials with these properties.	Reactions - students will investigate the quantitative aspects of chemistry including moles and equations.

How parents/carers can help

- Encourage your daughter(s) to regularly revisit her classwork between lessons. This will help consolidate their learning and allow the content to be fresh in their minds ready to be built upon in the next lesson.
- Check if homework has been set and support your daughter(s) in being organised and meeting deadlines.
- Be aware of the useful resources listed below so should your daughter(s) require additional support with their learning, you know where this can be accessed outside of lessons.
- If your daughter(s) are absent from school through illness or self-isolation, refer to the Microsoft Teams Class Notebook pages for the subjects missed, and make sure the work that they have missed is completed before their return to school. This will ensure that there are no gaps in their knowledge, and that they will not be disadvantaged.

Useful Resources

- All students will have access to www.kerboodle.com where they can find an online version of their textbook, learning resources, animations and activities to help support their learning.
- All students will have access to www.doddlelearn.com where they will be assigned additional learning tasks and homework activities. They can also use this at their own leisure should they find they need further support with a particular topic area.
- [Oak National Academy \(thenational.academy\)](https://www.thenational.academy) provides online lessons to support any students who may have missed content due to illness/self-isolating.

Citizenship

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Theme A Living together in the UK <ul style="list-style-type: none">How have communities developed in the UK?What is identity?	<ul style="list-style-type: none">What are democratic values and where do they come from?How does local democracy work?

How parents/carers can help

- If they are unable to attend school the resources are posted under the relevant date on teams on class notebook, they can email me or contact via teams if they need any help.
- Watch the news and discuss current affairs and how it links to Citizenship learning.

Useful Resources

- <https://www.bbc.com/news> - for current affairs
- Knowledge organisers for each topic available on class notebook
- Edexcel (www.pearson.com) GCSE specification Citizenship Studies
- Citizenship lessons for Key Stage 4 students - Oak National Academy (www.thenational.academy)
- Welcome to your UK Parliament - [Parliament UK Education](#)

Computing

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">Introduction to OCR ContentBoolean LogicData StorageDesigning, creating and refining Algorithms	<ul style="list-style-type: none">Programming FundamentalsData TypesPractical programming skills

How parents/carers can help

If your child becomes stuck on a particular topic or lesson, please refer them to the support that can be found on MS Teams. This can help the student to be able to recap the learning objectives set and follow the work. You could also use any of the resources below. If you feel that they need more help and guidance, then please speak to your child's Computing teacher.

Useful Resources

- [GCSE Computer Science - OCR - BBC Bitesize](#)

Drama

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">Introduction To Btec Level 1 / 2 Tech award in Performing Arts.Component 1: The study of the set text 1, Things I Know To Be True.	<ul style="list-style-type: none">Component 1 Continued:Study of set text 2 Blood Brothers.Workshops

How parents/carers can help

This course is 90% coursework. Please check with the pupils that they are up to date with all their work and their logbooks. It is essential that they meet all deadlines as all coursework assessments are submitted and count towards the final qualification.

Useful Resources

Pupils will have access to a full library of resources at school. All of our pupils will be given a login and password to Digital Theatre. They will be given a list of performances that they can watch at home.

<https://edu.digitaltheatreplus.com/login?redirect=%2F>

Useful websites are:

- <https://www.franticassembly.co.uk/>
- <https://www.youtube.com/watch?v=UMsJAGYnWOU>
- <https://www.youtube.com/watch?v=BvMT5MblXX4>

English

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">• An Inspector Calls <p>Study in preparation for GCSE English Literature Paper Two, focusing on essential understanding of the text and its social and historic background and the skills needed to write detailed analysis of the text.</p>	<ul style="list-style-type: none">• Language Paper Two <p>Preparation for the Non-Fiction element of the Language exam, focusing on understanding the conventions of non-fiction texts such as letters, articles, and speeches. We will also focus on comparing texts from the modern day to those from the 19th Century and the skills needed to write a non-fiction text, each of which is worth 25% of the final grade in Language.</p>

How parents/carers can help

- If your child is stuck with her work, ask her to check Class Notebook on Teams for resources for the lessons.
- Encourage reading for pleasure: whilst they are no longer in Key Stage 3, reading for 20 minutes a day is incredibly impactful in supporting student progress.
- Encourage your child to engage with non-fiction texts; this may be reading the newspaper with them or discussing formal speeches (for example TED Talks or those given by politicians).

Useful Resources

- For summaries of character, theme, and acts, students can use Spark Notes
<https://www.sparknotes.com/drama/an-inspector-calls/>
- For useful summaries of the text with a detailed focus on inferences and quotations, this YouTube video is very useful. https://www.youtube.com/watch?v=tt_Xg5MWVuw

Food and Nutrition

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">• Technical skills• Food Choices	<ul style="list-style-type: none">• Food provenance• Introducing NEA coursework

How parents/carers can help

- Take student shopping for food, identify where food comes from.
- Discuss choices and reasons
- Useful Resources
- AQA website for Food and Nutrition GCSE
- Text book issued through school

French

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Foundation: Customs and festivals Higher: extreme sports	Foundation: Customs and festivals Customs and festivals

How parents/carers can help

- Check vocabulary/ grammar is learnt and encourage daughter to practice reading/ vocabulary aloud.
- Check homework is completed.
- Check presentation of work in exercise book/ folder.
- Encourage use of Kerboodle Online resources and others listed below, including revision of vocabulary.
- Discourage use of Google Translator: it has become a real problem especially with remote learning

Useful Resources

- Textbook: AQA textbook
- Kerboodle online
- AQA syllabus (available online), including vocabulary list
- Website: languagesonline.org.uk (free, no password required): particularly useful for grammar exercises •
- Linguascope.com: to practise and help with vocabulary retention
- Revision guide: provided to each student: to use with topics being studied
- Use of vocabulary App.

Geography

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Dynamic Development <ul style="list-style-type: none">• What is development• Development indicators• Why is there a development gap?• Locating Zambia• Zambia's route to development• Zambia and TNCs• Zambia and the millennium development goals	Dynamic Development <ul style="list-style-type: none">• Zambia & world trade• Zambia and aid. Top down vs bottom up Sustaining Ecosystems <ul style="list-style-type: none">• What is an ecosystem?• Locating biomes• Interdependence• Climate flora & fauna in 6 key biomes• Biodiversity in tropical rainforests

How parents/carers can help.

- Talk to your daughter about development and why some countries are rich/poorer than others.
- Watch the news with your daughter and think about the reasons behind global issues.
- Go for a walk in a local woodland together. E.g. at Shipley Glen.
- Note the different species of plants and animals living in your garden with your daughter
- Visit a safari park or zoo together. Eg. Yorkshire Wildlife Park
- Watch some of the excellent wildlife documentaries on the BBC with your daughter

Useful Resources

- <https://www.yorkshirewildlifepark.com/>
- <https://www.bbc.co.uk/iplayer/episodes/p02544td/planet-earth-ii>
- <https://www.cia.gov/the-world-factbook/>
- <https://www.gapminder.org/>
- <https://www.bbc.co.uk/bitesize/topics/zyj4rdm>
- <https://www.bbc.co.uk/bitesize/topics/z8sx2p3>

History

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Modern Medicine	Modern Medicine Early Elizabethan England

How parents/carers can help

Please encourage students to complete the work set and revisit work between lessons. Work set as an Assignment in Teams should be returned by the specified date for assessment and feedback.

If students are unable to access their lessons because they are self isolating the lesson PPTs and tasks can be found on Class Notebook.

Useful Resources

Modern Medicine:

www.bbc.co.uk/bitesize/topics/zsfsgk7/resources/1

Early Elizabethan England:

www.bbc.co.uk/bitesize/guides/zyr6bk7/revision/1

www.bbc.co.uk/bitesize/guides/zg68tyc/revision/1

www.bbc.co.uk/bitesize/guides/zqcn4j6/revision/1

Latin

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Latin grammar: -Revision and Consolidation of Level 1 grammar -Latin Adjectives -Participles -Adverbs -Genitive case - Cum and the pluperfect subjunctive -Cum and the imperfect subjunctive -Practising the language	Latin grammar: - Cum and the pluperfect subjunctive -Cum and the imperfect subjunctive -Indirect questions -Indirect commands -Purpose clause -Relative clause -Gerundives -The ablative case -Expressions of time

How parents/carers can help

Please encourage students to complete the work set and revisit work between lessons. Work set as an Assignment in Teams should be returned by the specified date for assessment and feedback.

If students are unable to access their lessons because they are self isolating the lesson PPTs and tasks can be found on Class Notebook.

Useful Resources

University of Cambridge Resources:

www.clc.cambridgescp.com/books/book-i

www.clc.cambridgescp.com/books/book-ii

www.clc.cambridgescp.com/books/book-iii

www.clc.cambridgescp.com/books/book-iv

www.exams.cambridgescp.com/files/cscp/wjec18vocab/index.html

Maths

Subject Content

Autumn Half Term 1	Autumn Half Term 2
<ul style="list-style-type: none">• Congruence, similarity and enlargement• Trigonometry	<ul style="list-style-type: none">• Representing solutions of equations and inequalities.• Simultaneous equations•

How parents/carers can help

If your child becomes stuck on a particular part of the lesson, please refer them to the video's that can be found on MS Teams. This can help the student to be able to recap the learning objectives set and follow the work. Being able to visually see the problem can help the students with the questions. If you feel that they need more help and guidance, then please speak to your child's Math's teacher and they will supply you with a support booklet.

Useful Resources

- <https://whiterosemaths.com/for-parents/> - this will provide more information about the schemes of learning and can offer advice on the new techniques.
- www.mathsgenie.co.uk/ - this has useful videos, exam questions and past papers.
- www.corbettmaths.com/ - this has useful videos, worksheets and exam questions.
- <https://hegartymaths.com/> - your child has access to this, and this is where homework is set for maths. This is also useful as they can use it to see other videos to help them with their work.

Music

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Area of Study 3: Music for Stage and Screen Free composition Solo performance practice	Area of Study 4: Fusions Free composition completion Solo performance completion

How parents/carers can help

- Encourage individual practice for solo performance
- Recap key terms and concepts from set works revision

Useful Resources

Physical Education

Subject Content

Autumn Half Term 1	Autumn Half Term 2
GCSE PE – Practical lessons in assessed sports including netball, football, swimming and athletics. Theory lessons will include coursework preparation.	GCSE PE – Practical lessons in assessed sports including netball, football, swimming and athletics. Theory lessons will be completing coursework.
Core PE – A combination of swimming, fitness, invasion games, and net & wall-based activities.	Core PE – A combination of swimming, fitness, invasion games, and net & wall-based activities.

How parents/carers can help

GCSE PE - Encourage your daughter to use the variety of revision resources provided to maintain and develop their understanding of the broad spectrum of GCSE PE topics. Encourage regular attendance at extra-curricular sports clubs specific to their chosen assessment areas.

Core PE - Encourage your daughters to attend extra-curricular sports clubs regularly, and/ or to spend time each day outside of school being physically active.

Useful Resources

GCSE PE -

- OCR GCSE PE Revision Guide
- BBC Bitesize OCR GCSE PE
- MS Teams Revision Resources Bank (all GCSE PE students have access to this)

Core PE - All students will have access to a bank of ideas and resources through MS Teams and SharePoint. Other useful resources for physical activity ideas can be found here:

- [Youth Sport Trust Website](#)
- [YouTube - PE with Joe](#)
- [Change4life Website](#)

Physics

Subject Content

In Year 10, students in set 1 study the separate science pathway, all other sets study the combined science pathway.

Autumn Half Term 1	Autumn Half Term 2
Separate Physics and combined <ul style="list-style-type: none">• Wave properties - Students will learn how waves travel, their properties and about their underlying nature. They will study how waves interact with matter and how they behave in different media.	Separate Physics and combined <ul style="list-style-type: none">• EM Spectrum - Students will learn about each of the 7 parts of the spectrum, their uses, properties and hazards. They will be able to apply the wave equation learned in P11 to specific types of waves.• Electrical components - Students will learn about PD and resistance, their relationship via Ohm's law and how to generate data that proves it. They will carry out a required practical on the resistance in a wire. They will build circuits to assess the different ways components behave in a circuit of varying voltage.

How parents/carers can help.

- Encourage your daughter(s) to regularly revisit her classwork between lessons. This will help consolidate their learning and allow the content to be fresh in their minds ready to be built upon in the next lesson.
- Check if homework has been set and support your daughter(s) in being organised and meeting deadlines.
- Be aware of the useful resources listed below so should your daughter(s) require additional support with their learning, you know where this can be accessed outside of lessons.
- If your daughter(s) are absent from school through illness or self-isolation, refer to the Microsoft Teams Class Notebook pages for the subjects missed, and make sure the work that they have missed is completed before their return to school. This will ensure that there are no gaps in their knowledge, and that they will not be disadvantaged.

Useful Resources

- All students will have access to www.kerboodle.com where they can find an online version of their textbook, learning resources, animations and activities to help support their learning.
- All students will have access to www.doddlelearn.com where they will be assigned additional learning tasks and homework activities. They can also use this at their own leisure should they find they need further support with a particular topic area.
- [Oak National Academy \(thenational.academy\)](http://Oak National Academy (thenational.academy)) provides online lessons to support any students who may have missed content due to illness/self-isolating.
- [Phet Simulations](#)

Religious Studies

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Religion and Life <ul style="list-style-type: none">• Religious beliefs about the origins of the Universe• The value of the world• The use and abuse of the environment• The use and abuse of animals• Religious beliefs about the origins of human life• The sanctity and quality of life – Abortion• The Sanctity and quality of life – Euthanasia• Death and the afterlife.	Christian practices <ul style="list-style-type: none">• Worship: Liturgical and non-liturgical• Prayer• Sacraments: Baptism and Eucharist• Pilgrimage: Lourdes and Iona• Celebrating festivals: Christmas and Easter.

How parents/carers can help

- Encourage students to complete the work set and revisit work between lessons. Work set as an Assignment in Teams should be returned by the specified date for assessment and feedback.
- If students are unable to access their lessons because they are self isolating the lesson PPTs and tasks can be found on Class Notebook.

Useful Resources

- [All Students have their own copy of the textbooks.](#)
- All students have access to www.kerboodle.com where they can find learning resources and revision activities to support their learning.
- [Oak National Academy \(thenational.academy\)](http://Oak National Academy (thenational.academy)) provides online lessons which support the course.
- <https://www.bbc.co.uk/bitesize/subjects/zb48q6f>

Spanish

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Unit 1: Relationships (review) Grammar revision: focus on tenses Unit 4: Customs and Festivals	Unit 4: Customs and Festivals Unit 5: Home, Town, Neighbourhood and Region

How parents/carers can help

Please encourage your daughters to attend all their live lessons and complete the work set. Work set as an Assignment in Teams should be returned by the specified date for assessment and feedback. If students are unable to access their live lessons because they are sharing a device, the lesson and tasks can be found on **Class Notebook**.

- Check that vocabulary/ grammar is learnt regularly
- Check that any homework is completed
- Encourage daughter to read their Spanish work aloud and to practise vocabulary aloud.

Useful Resources

(In addition to textbook provided)

- www.kerboodle.com – goes with our textbook, has great additional resources and revision exercises to do.
- www.wordreference.com/ - online bilingual dictionary
- www.linguascope.com/ - very helpful with vocabulary acquisition and retention
- www.bbc.co.uk/bitesize/examspecs/z4yyjvhv to practise and revise Units 5-7, 8 following AQA specification

Textiles

Subject Content

Autumn Half Term 1	Autumn Half Term 2
Cultural Fusion- Component 1 <ul style="list-style-type: none">• Mind-mapping- gathering words• Mood board- gathering images and own photography• Artist Study- Delita Martin• Lino Print Designs and methods• Illustrator colour ways of design work	<ul style="list-style-type: none">• Experimenting with medias; free embroidery, hand stitch, printed backgrounds, drawing skills, layering medias together• Personal response to the inspirational artist Delita Martin

How parents/carers can help

One A3 sketchbook is provided within a plastic portfolio for every GCSE Art student at the beginning of the course. It is your daughter's responsibility to keep this work safe. When transporting between home and school it should be left within the art department in individual art drawers in preparation for their lesson before morning registration.

Art students are provided with basic art equipment and can borrow materials from the department but a basic set of pencils and coloured pencils is recommended.

All lessons can be found on Teams. This can help the student to be able to recap the learning objectives set and complete the work if absent. Intervention sessions are held in the Art room at lunchtimes. This is an opportunity to complete prep work, access specialist art materials and have individual support from their art teacher.

Useful Resources

To work like an Artist / Designer your daughter would benefit from the use of apps like:

[Black Box Press Studio](#)

[AQA | Subjects | Art and Design](#)